

Rabbit anti-Human MDC1 Polyclonal Antibody | anti-MDC1 antibody

MDC1 Polyclonal Antibody

CATALOG # AAA28205	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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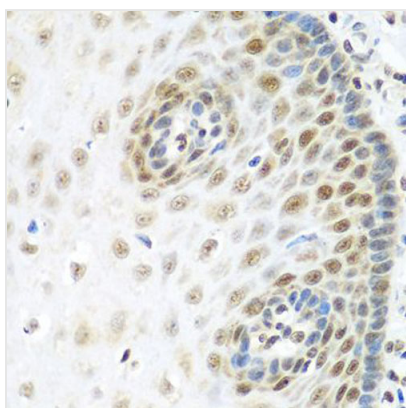
PRODUCT SYNONYMS

MDC1; Polyclonal Antibody; MDC1 Polyclonal Antibody; anti-MDC1 antibody

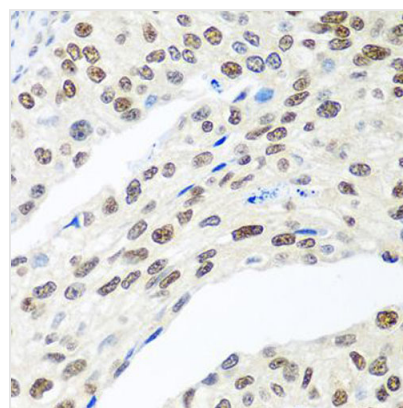
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	1,066
Applicable Applications for anti-MDC1 antibody	WB (Western Blot)
Application Notes	WB 1:500 - 1:2000
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human MDC1
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

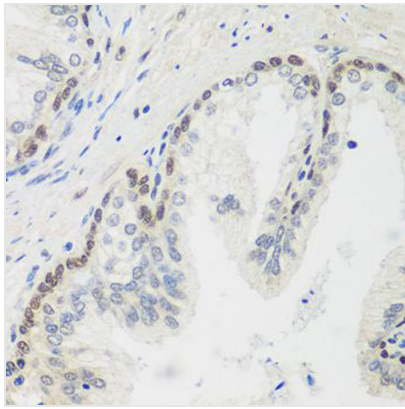
IMAGES


IHC (Immunohistochemistry)

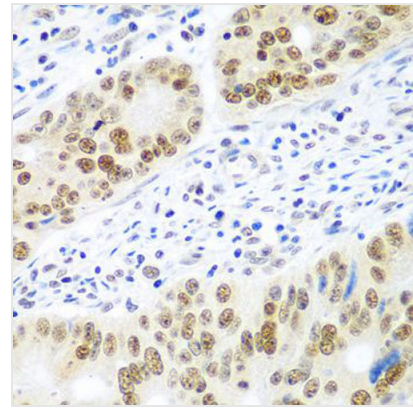
Immunohistochemistry of paraffin-embedded human esophagus using MDC1 antibody at dilution of 1:100 (40x lens).


IHC (Immunohistochemistry)

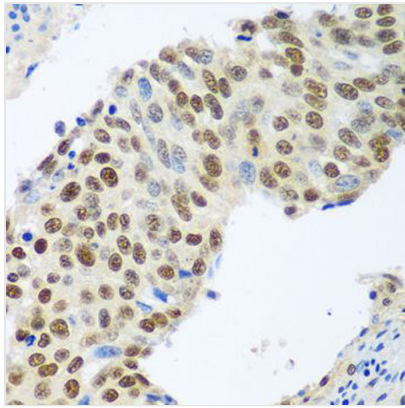
Immunohistochemistry of paraffin-embedded human prostate cancer using MDC1 antibody at dilution of 1:100 (40x lens).



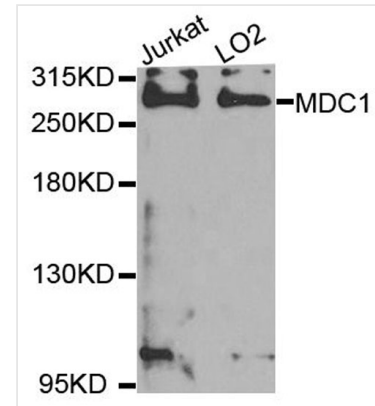
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human prostate using MDC1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human colon carcinoma using MDC1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human lung cancer using MDC1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using MDC1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-MDC1 antibody

The protein encoded by this gene contains an N-terminal forkhead domain, two BRCA1 C-terminal (BRCT) motifs and a central domain with 13 repetitions of an approximately 41-amino acid sequence. The encoded protein is required to activate the intra-S phase and G2/M phase cell cycle checkpoints in response to DNA damage. This nuclear protein interacts with phosphorylated histone H2AX near sites of DNA double-strand breaks through its BRCT motifs, and facilitates recruitment of the ATM kinase and meiotic recombination 11 protein complex to DNA damage foci.

NCBI AND UNIPROT INFORMATION

NCBI GI #	132626688
NCBI GeneID	9656
NCBI Accession #	NP_055456.2
NCBI GenBank Nucleotide #	NM_014641.2
UniProt Accession #	Q14676; Q0EFC2; Q2L6H7; Q2TAZ4; Q5JP55; Q5JP56; Q5ST83; A2AB04; A2BF04; A2RRA8; A7YY86; B0S8A2
Molecular Weight	227kDa
NCBI Official Full Name	mediator of DNA damage checkpoint protein 1
NCBI Official Synonym Full Names	mediator of DNA-damage checkpoint 1

NCBI Official Symbol	MDC1
NCBI Official Synonym Symbols	NFBD1
NCBI Protein Information	mediator of DNA damage checkpoint protein 1
UniProt Protein Name	Mediator of DNA damage checkpoint protein 1
UniProt Gene Name	MDC1
UniProt Synonym Gene Names	KIAA0170; NFBD1
UniProt Entry Name	MDC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mdc1-antibody-western-blot-elisa/28205>